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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/679,625	10/07/2003	Dae-Ho Choo	6192.0316.US	3336	
7590 03/23/2005			EXAMINER		
McGuireWoods			DUONG, THOI V		
Suite 1800 1750 Tysons Boulevard			ART UNIT	PAPER NUMBER	
	McLean, VA 22102-4215				
			DATE MAILED: 03/23/200	DATE MAILED: 03/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/679,625	CHOO ET AL.					
Office Action Summary	Examiner	Art Unit					
	Thoi V. Duong	2871					
The MAILING DATE of this communication apperiod for Reply	ppears on the cover sheet w	ith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a re  - If NO period for reply is specified above, the maximum statutory perior  - Failure to reply within the set or extended period for reply will, by statu.  Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 136(a). In no event, however, may a plushing the statutory minimum of this d will apply and will expire SIX (6) MON to, cause the application to become Al	reply be timely filed  ty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on <u>07</u>	October 2003.						
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· _ ·	<u> </u>						
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-57</u> is/are pending in the applicatio 4a) Of the above claim(s) is/are withdr	Claim(s) <u>1-57</u> is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	)☐ Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.							
8)⊠ Claim(s) <u>1-57</u> are subject to restriction and/o	r election requirement.						
Application Papers							
9) The specification is objected to by the Examir	ner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to th	e drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the E	Examiner. Note the attache	d Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents</li> <li>2. Certified copies of the priority documents</li> <li>3. Copies of the certified copies of the principal copies of the certified copies of the principal copies of the</li></ul>	nts have been received. nts have been received in A iority documents have been	application No					
* See the attached detailed Office action for a lis		received					
occ the attached detailed office action for a lis	st of the certified copies flot	receiveu.					
Attachment(s)							
1)  Notice of References Cited (PTO-892) 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08	8) 5) 🔲 Notice of I	nformal Patent Application (PTO-152)					
Paper No(s)/Mail Date	6)	·					

## **DETAILED ACTION**

## Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Species I: Claims 1-13, drawn to a method of forming a multi-domain for aligning liquid crystal according to Figs. 1, 3 and 5.

Species II: Claims 14-45, drawn to a liquid crystal display device and a method of manufacturing the same according to Figs. 9 and 17.

Species III: Claims 46-57, drawn to a liquid crystal alignment apparatus according to Figs. 32 and 40, classified in class 349, subclass 202.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of the claims is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims

are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 2. If Species II is elected, restriction to one of the following inventions is required under 35 U.S.C. 121:
- IIA. Claims 14-35, drawn to a method of manufacturing a liquid crystal display device, classified in class 349, subclass 187.
- IIB. Claims 36-45, drawn to a liquid crystal display device, classified in class 349, subclass 129.

The inventions are distinct, each from the other because:

Inventions IIA and IIB are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the alignment film of the product can be made by a different process in which the alignment is formed by rubbing instead of irradiating an atomic beam.

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Art Unit: 2871

Because these inventions are distinct for the reasons given above and the search required for Group IIA is not required for Group IIB, restriction for examination purposes as indicated is proper.

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong July

03/21/2005

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